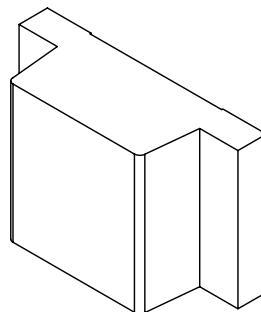
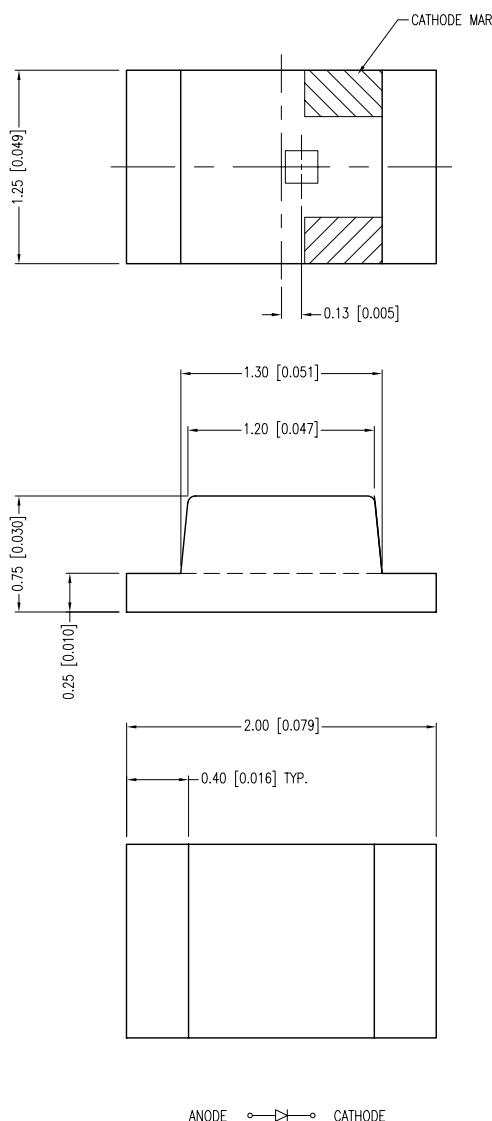


PART NUMBER	SML-LXFT0805SRC-TR			REV.	B
DATE	E.C.N. NUMBER AND REVISION COMMENTS			REV.	
03.02.05	E.C.N. #11148.			A	
02.23.11	E.C.N. #10BRDR. & REDRAWN/#11697.				B



ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$					
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH	660			nm	
FORWARD VOLTAGE		1.7	2.2	$V_f$	
REVERSE VOLTAGE	4.0			$V_r$	$I_r=100\mu\text{A}$
AXIAL INTENSITY		50		mcad	$I_f=20\text{mA}$
VIEWING ANGLE		120		2x theta	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	WATER CLEAR LENS				

LIMITS OF SAFE OPERATION AT $25^\circ\text{C}$ PER CHIP		
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	100	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	100	mW
DERATE FROM $25^\circ\text{C}$	-1.2	mW/C
OPERATING TEMP.	-25 TO +85	°C
STORAGE TEMP.	-30 TO +85	°C

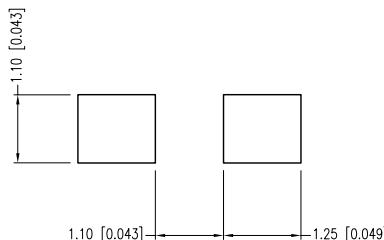
\*  $t < 10\mu\text{s}$

#### NOTES:

1. 2,000 PIECES PER REEL.
2. THE POLARITY MARK IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.

**[B]** CAUTION: MOISTURE SENSITIVE DEVICE  
PER JEDEC LEVEL 3 STANDARDS

#### RECOMMENDED SOLDER PAD LAYOUT



\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE:  $X=\pm 1$  ( $\pm 0.039$ ),  $X.X=\pm 0.5$  ( $\pm 0.020$ ),  $X.XX=\pm 0.25$  ( $\pm 0.010$ ),  $X.XXX=\pm 0.127$  ( $\pm 0.005$ ). LEAD SIZE= $\pm 0.05$  ( $\pm 0.002$ ), LEAD LENGTH= $\pm 0.75$  ( $\pm 0.030$ ). MIN=  $-\text{0.00}$  MAX=  $+\text{0.00}$

UNCONTROLLED DOCUMENT



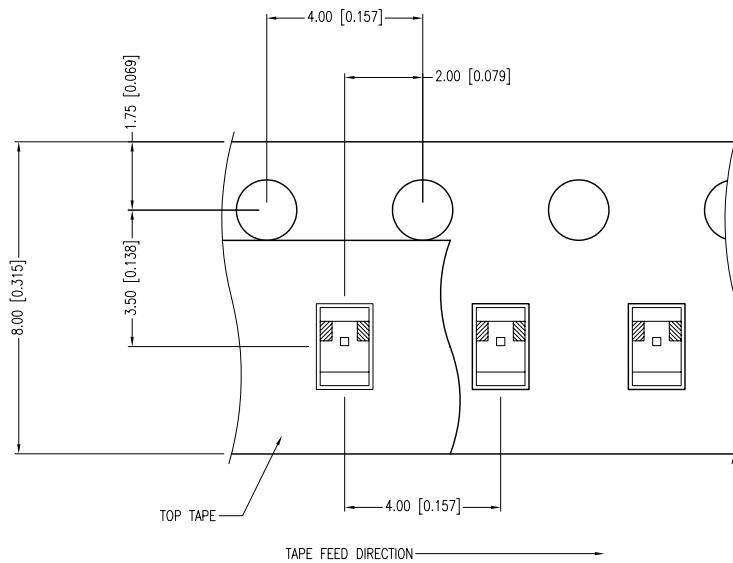
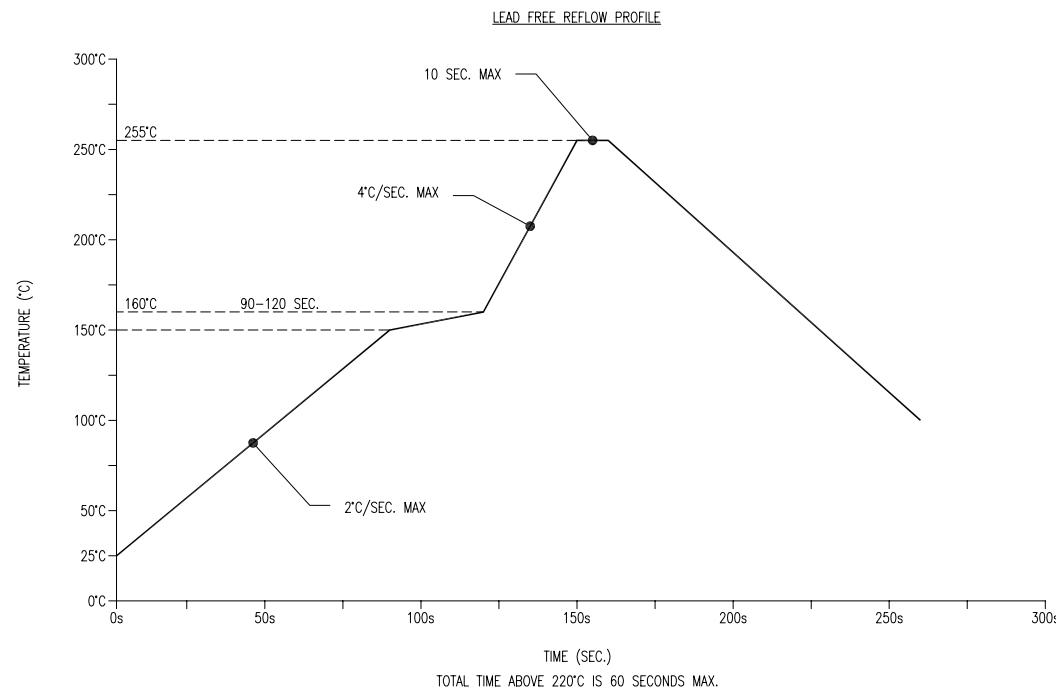
290 E. HELEN ROAD  
PALATINE, IL 60067-6976  
PHONE: +1.847.359.2790  
FAX: +1.847.359.6538  
WEB: WWW.LUMEX.COM

660nm SUPER RED LED, 1.25mm x 2mm PCB SURFACE MOUNT LED, WATER CLEAR LENS, TAPE AND REEL.

\*\*THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.\*\*

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DATE: 2.23.11	DRAWN BY: AB
PAGE: 1 OF 2	CHKD BY: KF
SCALE: NTS	APRVD BY: JD
UNIT: mm [INCH]	REG



\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= +0.00, MAX= +0.00, DECIMAL PRECISION = -0.00

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